

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (cancel)

Claim 2 (currently amended): The method of claim [[1]] 8, including further comprising:  
~~detecting activity signals from said at least two wireless transceiver interfaces;~~  
~~assigning the priority to each said wireless transceiver interface;~~  
tracking a potential communication associated with each said at least two wireless  
transceiver ~~interface~~ interfaces;  
arbitrating control of communication between said at least two wireless transceiver  
interfaces based on the priority information and the potential communication; and  
selectively energizing each said wireless transceiver interface based on the control of  
communication.

Claim 3 (cancel)

Claim 4 (currently amended): The method of claim [[2]] 8, ~~wherein assigning said~~  
~~priority including further comprising~~ prioritizing each said wireless transceiver interface based  
on a first criterion indicative of an overhead associated with said a potential communication for  
each said wireless transceiver interface.

Claim 5 (currently amended): The method of claim [[2]] 8, ~~wherein assigning said~~  
~~priority including further comprising~~ prioritizing each said wireless transceiver interface based  
on a second criterion indicative of an amount of data associated with said a potential  
communication for each said wireless transceiver interface.

Claim 6 (currently amended): The method of claim [[2]] 8, ~~wherein assigning said~~  
~~priority including further comprising~~ prioritizing each said wireless transceiver interface based  
on a third criterion indicative of a power consumption associated with said a potential  
communication for each said wireless transceiver interface.

Claim 7 (cancel)

Claim 8 (currently amended): ~~The A method comprising of claim 7, including:~~  
querying a controller to acquire a channel lock for communication via a first one of at least two wireless transceiver interfaces;  
in response to an indication from the controller, gaining ownership of the channel lock based on priority information of the at least two wireless transceiver interfaces; and  
opening a communication channel for a communication session associated with said the first one of the at least two active wireless transceiver interfaces.

Claim 9 (original): The method of claim 8, including releasing the ownership of the channel lock when the communication session is finished.

Claim 10 (currently amended): The method of claim 9, including transferring the ownership of the channel lock to another one of the at least two active wireless transceiver interfaces when said communication channel becomes available for another communication session through time slicing.

Claim 11 (previously presented): An apparatus comprising:  
an antenna;  
a first communication interface coupled to the antenna corresponding to a first wireless device;  
a second communication interface coupled to the antenna corresponding to a second wireless device; and  
a module operably coupled to the first and second communication interfaces to disable communication between the first communication interface and said first wireless device while the second communication interface is conducting communication for said second wireless device.

Claim 12 (currently amended): The apparatus of claim 11, wherein said first communication interface to provide a first activity signal, said second communication interface to provide a second activity signal, and said module to:

detect the first and second activity signals, assign a priority to each said active first and second wireless device, track a potential communication associated with each said

communication interface, and to arbitrate control of communication between the first and second communication interfaces based on the priority and the potential communication corresponding to said first and second wireless devices; and

selectively energize at least one of the first and second communication interfaces based on the control of communication.

Claim 13 (previously presented):     The apparatus of claim 11, wherein said module to:  
determine a type of and assign a priority to each said wireless device;  
derive device characteristics and priority information from the priority and the type of each said wireless device; and

send said device characteristics and priority information to each said communication interface.

Claim 14 (currently amended):     The apparatus of claim ~~[[13]]~~ 11, wherein each said communication interface to:

query said module to acquire a channel lock for ~~the control of communication~~ via the corresponding wireless device;

in response to an indication from said module, gain ownership of the channel lock;

open a communication channel for a communication session; and

release the ownership of the channel lock when the communication session is finished.

Claim 15 (currently amended):     The apparatus of claim 14, wherein said module to:  
~~provide ownership of the channel lock to one of the first and second wireless devices based on the type and priority information; and~~

transfer the ownership of the channel lock to another one of the first and second wireless devices when said communication channel becomes available ~~for another communication session through time slicing~~.

Claim 16 (cancel)

Claim 17 (currently amended):     The article of claim ~~[[16]]~~ 19 further storing instructions that enable the processor-based system to:

detect activity signals from said ~~the~~ at least two wireless transceivers ~~transeiver~~ interfaces;

assign ~~a~~ the priority to each said wireless transceiver interface;

track a potential communication associated with ~~each said~~ at least two of the wireless transceivers ~~transeiver interface~~;

arbitrate control of communication between said ~~the~~ at least two wireless transceivers ~~transeiver interfaces~~ based on the priority and the potential communication; and

~~selectively~~ energize ~~each said~~ one of the at least two wireless transceivers ~~transeiver interface~~ based on the control of communication.

Claim 18 (cancel)

Claim 19 (currently amended): ~~An~~ The article of claim 17 further comprising a medium storing instructions that enable ~~the~~ a processor-based system to:

receive a query to acquire a channel lock for the control of communication from a first one of at least two wireless transceivers; and

provide ownership of the channel lock to the first one of the at least two wireless ~~transeiver~~ transceivers interfaces based on ~~the device characteristics and~~ priority information; and

receive data of a communication from the first one of the at least two wireless transceivers.

Claim 20 (cancel)

Claim 21 (currently amended): A processor-based system comprising:

a processor;

a storage operably coupled to said processor to store a priority protocol to track pending transactions associated with at least two ~~active~~ wireless transceivers and prioritize one of said at least two ~~active~~ wireless transceivers;

at least two wireless transceiver interface devices operably coupled to said processor to provide corresponding gating signals associated with the at least two ~~active~~ wireless transceivers; and

an arbitration device operably coupled to said at least two wireless transceiver interface devices to selectively provide communication control to said one of at least two ~~active~~ wireless transceivers based on the priority protocol.

Claim 22 (currently amended): The processor-based system of claim 21, wherein said arbitration device to ~~selectively~~ power up or down the at least two wireless transceiver interface devices based on the communication control.

Claim 23 (currently amended): The processor-based system of claim 22, wherein said arbitration device to:

determine the type of each said ~~active~~ wireless transceiver;

derive device characteristics and priority information from the priority and the type of each said ~~active~~ wireless transceiver; and

send said device characteristics and priority information to each said ~~active~~ wireless transceiver.

Claim 24 (original): The processor-based system of claim ~~[[23]]~~ 21, wherein each said wireless transceiver interface device to:

query said arbitration device to acquire a channel lock for ~~the~~ communication control; in response to an indication from said arbitration device, gain ownership of the channel lock;

open a communication channel for a communication session; and

release the ownership of the channel lock when the communication session is finished.

Claim 25 (currently amended): The processor-based system of claim 24, wherein said arbitration device to:

~~provide ownership of the channel lock to one of the at least two active wireless transceivers based on the device characteristics and priority information; and~~

transfer the ownership of the channel lock to another one of the at least two active wireless transceivers when said communication channel becomes available ~~for another communication session through time slicing.~~

Claim 26 (currently amended): A personal computer system comprising:

a processor;

~~a storage operably coupled to said processor to store a priority protocol to track pending transactions associated with at least two active wireless transceivers and prioritize one of said at least two active wireless transceivers; and~~

~~a shared interface to operably couple a chipset with a radio device interface including:~~

an arbitration device operably coupled to said processor to provide communication control to one of at least two wireless transceivers; and

at least two wireless transceiver interface devices operably coupled to said processor arbitration device to provide corresponding gating signals associated with the a corresponding one of the at least two active wireless transceivers, and to query said arbitration device to acquire a channel lock for the communication control, in response to an indication from said arbitration device gain ownership of the channel lock, open a communication channel for a communication session, and release the ownership of the channel lock when the communication session is finished.

~~, and~~

~~an arbitration device operably coupled to said at least two wireless transceiver interface devices to selectively provide communication control to said one of at least two active wireless transceivers based on the priority protocol.~~

Claim 27 (currently amended): The personal computer system of claim 26, wherein said arbitration device to:

selectively power up or down the at least two wireless transceiver interface devices based on the communication control;

determine the type of each said active wireless transceiver;

derive device characteristics and priority information from the priority and the type of each said ~~active~~ wireless transceiver; and

send said device characteristics and priority information to each said ~~active~~ wireless transceiver.

Claim 28 (currently amended):      The personal computer system of claim ~~[[27]]~~ 26, wherein one of said at least two ~~active~~ wireless transceivers to communicate using a short range communication standard-based protocol while another one of said at least two ~~active~~ wireless transceivers to communicate using a long range communication standard-based protocol.

Claim 29 (cancel)

Claim 30 (currently amended):      The personal computer system of claim ~~[[29]]~~ 26, wherein said arbitration device to:

~~provide ownership of the channel lock to one of the at least two active wireless transceivers based on the device characteristics and priority information; and~~

transfer the ownership of the channel lock to another one of the at least two ~~active~~ wireless transceivers when said communication channel becomes available ~~for another communication session through time slicing.~~

Claim 31 (currently amended):      A personal computer system comprising:  
a processor; and  
at least two wireless transceivers coupled to the processor, each of the at least two wireless transceivers to provide a gating signal to indicate activity in a corresponding radio device; and

a single antenna coupled to the at least two wireless transceivers to provide radio frequency (RF) signals to and from the corresponding radio devices.

Claim 32 (cancel)

Claim 33 (previously presented):      The personal computer system of claim 31, further comprising a controller coupled to receive each of the gating signals and arbitrate a communication channel between the at least two wireless transceivers.

Claim 34 (previously presented): The personal computer system of claim 33, wherein the controller to arbitrate using a priority of each of the at least two wireless transceivers.

Claim 35 (new): The personal computer system of claim 31, wherein the at least two wireless transceivers to query a controller to acquire a channel lock for communication control, in response to an indication from said controller gain ownership of the channel lock, open a communication channel for a communication session, and release the ownership of the channel lock when the communication session is finished.

Claim 36 (new): The personal computer system of claim 35, wherein the controller to transfer the ownership of the channel lock to another one of the at least two wireless transceivers when said communication channel becomes available.

Claim 37 (new): The article of claim 19, further comprising instructions that enable the processor-based system to release the ownership of the channel lock when the communication is completed.